

WHAT IS CLAIMED IS:

1. A vehicle integrated control system comprising:

a plurality of nodes coupled to an intra-vehicle communication network and including control means for controlling at least one of operations of a plurality of functional elements of a vehicle; and

a manager for supplying operation commands to more than one of the control means, the control means controlling the operation of the functional element thereof on the basis of inputted operation command,

wherein the manager is included in at least one of nodes having the control means that controls the functional element capable of avoiding a danger of the vehicle on emergency out of a plurality of the control means of a target supplied with the operation commands, and

wherein the manager supplies the operation commands through the intra-vehicle communication network to, out of a plurality of the control means of the target supplied with the operation commands, the control means in the nodes other than the node including the same, and supplies the operation command through the intra-node communication to, out of a plurality of the control means of the target supplied with the operation commands, the control means included by the node including the same for controlling the functional element capable of avoiding a danger of the vehicle on emergency.

2. The vehicle integrated control system as claimed in claim 1,

wherein the manager is included in at least one node including, out of a plurality of the control means of a target supplied with the operation commands, the control means for controlling the functional element capable of an emergency stop of traveling of the vehicle.

3. The vehicle integrated control system as claimed in claim 2,

wherein the manager is included in the node having the control means for controlling a brake out of a plurality of the nodes.

4. The vehicle integrated control system as claimed in claim 1,

wherein the manager is included in at least one of nodes including, out of a plurality of the control means of a target supplied with the operation commands, control means for controlling the functional element capable of limiting a current supply to a functional element of the vehicle.

5. The vehicle integrated control system as claimed in claim 4,

wherein the manager is included in one node out of a plurality of the nodes including control means for controlling an alternator.

6. The vehicle integrated control system as claimed in claim 1,

wherein the manager is included in at least two of nodes having control means for controlling the functional elements capable of avoiding a danger of the vehicle out of a plurality of the nodes, only one of the managers included in at least two nodes operates temporarily, and

as the operating manager, one of the managers is successively used with priority in order of the node including the manager having the control means for controlling the functional element having a higher function in avoiding a danger of the vehicle on emergency.

7. The vehicle integrated control system as claimed in claim 1,

wherein the manager is included in at least two of nodes having control means for controlling functional elements capable of avoiding a danger of the vehicle out of a plurality of the nodes, only one of the managers included in at least two nodes operates temporarily, and

when one of managers under operating becomes inoperative, another manager other than the one of manager under operating operates alternatively.